instead of 9.000 or 10.000 telegraph poles now standing, 1.500 or 1.600 poles will serve every instrument in the city in a complete and economical way.

"That the city has very many more poles than is necessary is easily explained. The first leigraph companies came into existence they had to choose other coutes, and as long as they were fighting each other there was no concession as to routes. Since, however, the companies had I have spoken of have more poles than there is any need of. This plan is so simple that the Fire and Police Departments could use it. Some of the fire alarm boxes are not now in the proper position to be served from the trunk lines, but nine out of ten are, and the others sould be easily changed.

"I was especially directed," Mr. Radeliffe went on to say, "to take into consideration the value of underground lines, the practicability of any of the systems, and the importance to the sompanies for whom I am working to maintain the present system of bole lines, in order to keep competitors from using them. I came to he conclusion that the interests of the city and the tolegraph companies or using them. I came to he conclusion that the interests of the city and the tolegraph companies or using them. I came to not conclusion that the interests of the city and the tolegraph companies or educe the number of poles, the city ought to take means to prevent its ever again being ensumbered by them, and I reported that I could be no advantage to the companies in keeping up their present lines at a great expense. I also divised that it might be well for the telegraph interests in the city to delegate to x opparate company the work of maintaining the paparatus for carrying the wires, the capital of which should be furnished by the companies to avait themselves of this apparatus at fair prives.

"Now, a word about the proposed trunk lines." Naturally, the first thing to do was to assertian

emble the city and all the telegraph companies to avail themselves of this apparatus at fair prices.

"Now, a word about the proposed trunk lines. Naturally, the first thing to do was to ascertain the necessary capacity required, allowing for the growth of the telegraphic business in the city. I first ascertained how many wires there would be in each division of the trunk lines, on the present basis of business done, and after considerable hard work, as you can imagine. I found that the greatest number of wires that would have to be conducted through one trunk line is \$41; and they would run across Broadway, from the main building of the Western Union at Broadway and Dey street, and down John street. Of these \$41 wires, 583 will go down town to the great commercial centres, and 288 go up town on the east side, decreasing in number, of course, as wires are led out to the side street until the trunk line reaches the Harlem bridge at 130th street with only 49 wires. The route of this trunk line reaches the Harlem bridge at 130th street with only 49 wires. The route of this trunk line reaches the Bay wires that run down town would be down John to Pearl street and thence up town, following the line of the elevated railrond. The 683 wires that run down town would be conduced by a scries of underground trunks, terminating at the Produce Exchange on Pearl and Whitehall streets with 72 wires.

"The centre and western trunk lines would start together at the main building, with 330 wires, and run down Dey to Church street, where 190 wires would turn up Church street, and follow the line of the Metropolitan Elevated road to Fifty-third street. The other 140 wires would continue down Dey to Greenwich street, and then turn up town, following the roue of

road to Fifty-third street. The other 140 wires would continue down Dey to Greenwich street, and then turn up town, following the route of the west side clevated road. At Fifty-third street the centre trunk line will have only twelve wires. These I would run across to the west side trunk, which at Fifty-third street will contain fifty-serven wires. These sixty-nine wires will then be conducted up town on the west side to 125th street, where the trunk will contain only fifteen wires, which there leave the trunk and follow the line of the Hudson River Railroad north.

"Many of the wires of the west trunk leave it

"Many of the wires of the west trunk leave it at Fifty-fifth street and cross the Hudson River in cables, and then go to the lines of the differin cables, and then go to the lines of the differont railronds.

"Below John street and on the east side of
Broadway there are more instruments than in
any other part of the town, but they cannot be
reached by the same system of trunk lines and
branches that can be used up town. That whole
territory must be covered by underground systems, and the proper disposition of the lines
has given me much trouble, but I think I have
solved the problem."

branches that can be used up town. That whole territory must be covered by underground system bas given me much trouble, built think I have solved the problem."

'Mr. Radelife on his map traced the devious windings of the lines that run, through the solved the problem."

'My next work was to estimate for the probable increase in business. My data were ascertained several months asc. There were then in this city I.148's miles of Western Union wires of the probable of the pro

The state of the s

binself, boall intents and purposes, a man. When, as binself, boall intents and purposes, a man. When, as tashed but keeps his tonnen galloging with the dast dissert with a farmer's family, be is not in the least abselved but keeps his tonnen galloging with the during the entire meal. Nor is this blamable in him, for any-body with common sense knows that a tramp never tells the truth, but only seeks, like a writer of fiction, to indough the property of the p

FYORE, Dec. 23. CAPTAIN OF THE TRANS.

How They are Dressing to Parts.

From the London World.

The following is a brief epitome of the two reasons worn by Sime. Judic in the new connedy, "La remme a Papa," the success of which was, to a considerable extent, determined the other day in Parts by her cetting. crable extent, determined the other day in Paris by her acting:

1. Blue satin dress, with apron of lace and satin flowers over a petitical entirely covered with natural minosas and fuchsias; piain bodice; feathe sorts satin clock, with colored beads and marabout chenile.

2. Plain dress of pink Stellerine, with quitting of lace; lold-dailioned sitk hodice with colored beads. Both dresses chetted such enthusiants applause from the audence that dramatic critics in Paris have for the last few days, linparted hardly any other information to their readers respecting the piay.

As I am on the subject of Christmas dresses, I will add a few stating costimes observed on the lake at the Bois of Buthann. I. A yellow-gold dress with black braid; 2 december of the piage of

CLEMENTS'S GREAT INVENTION. The Machine that will Revolutionise the

there is great difficulty in applying the Brook of courses the tilpus must run continuously must room that there would be no organization of courses the tilpus must room that there would be no organization in the course of the

lopper, breaker, and cards, where the damage done by the gin, press, and compress are sought to be remedied. But these advantages, great as they are, are not half that are claimed for the "new process."

The ginning, balling, bagging, and ties are saved; the seed inure to the manufacturers; no loss from falsely parked cotton, no strikes among operatives, for it is the poor man's factory, and his daughters are the operatives. The cost: The entire expital necessary for the smallest size new process mills, including building and motive power, is only \$3,500, and will pay a net profit of 30 to 50 per cent, per annum. (See report of Westminster Mills, at Westminster, S. C.) It saves all expense, loss, waste, dryage, perquisites, general average accounts, stealage and speculation, &c., on cotton in transitu from the field to the factory, be that distance 15 or 15,000 miles, as from India to Manchester, England.

Take a bale of cotton on a farm near Corinth, Miss, and see the expenses, &c., in sending it via Memphis to Boston, Mass. Hauling to Corinth, sampling, weighing, deduction of from two to four pounds from each bale's actual weight, profits to purchaser, freight and insurance to Memphis, dravage to cotton shed, storage, insurance, dress sampling, commissions for selling, general average accounts, brokerage for buving, dress boring, second weighing, repairs, drayage to compress, compressing, drayage to steamer or depot, freight and insurance to Boston, loss on bills of exchange, &c. To these add waste, loss, damage, drayage, and stealage, all the expenses, speculations, &c., of the guerillas of the South and the great cotton kings of the North also the expenses in our seaport towns (where it is, or was, or recompressed to be shipped to Europe), the expenses and profits of the shipment, and the expenses and profits of the shipment, and the expenses after its arrival there until it is sold to the manufacturer. Now, if to all these you add the expenses will save, when generally adopted, to our impoverished but stil

PROVIDENCE, Jan. 1.—There is no doubt that the mission to Russia was offered to den. Burn-side and by him declined. It was then offered to dov. side and by him declined. It was then offered to Gov. Year Zandt, who was disposed to accept, but at last was constrained by circumstances to decline, and sent his declination yesterday. The Journal says: "It is no secret that the Administration has honored this State in the persons of two of its distinguished citizens by the offer of the Russion Mission, first to Gen. Burnside, who declined it, and next to Gov. Van Zandt, who took it into flavoroble consideration, but on a more careful reflection upon the matter, and largely from an unwillingness to expose Mrs. Van Zandt to the rigor of the climate, felt compelled also to decline it."

Washington, Jan. 1.—The refusal of Gov. Van Zandt of Rhode Island to accept the Russian Mission is due to political causes. There is a Van Zandt and a Burnside clique in Rhode Island. The present Senator is striving to secure a reelection when his term expires, as it will in 1881. Gov. Van Zandt aspires to be Gen. Burnside's successor. The dovernor came on to Washington at the regions. The dovernor came on to Washington at the regions of the string of the Burnside of t

From the Unibus Herald.

Last night the distinguished artiste, Fanny Davemort, appeared as Resolved, in Shakespeare's controlly of "As You Like It." The blay is not an attractive one, and is the slightest, least interesting of Shakespeare's pieces. It was Miss Davemport that drew, not cears a pieces. It was Miss Davenport that drew, not the piece.

It is a drams foreign to the tastes of this day. It is not a favorite here, nor is it a favorite any where cises although it orisites with genes of neetry, philosophy and good sense. It is only a relief to antiences in the briggroud sense. It is only a relief to antiences in the briggroud sense. It is only a relief to antiences in the terrer cities who tire with the more copular selections that we with only semi-occasional lacelities desire and demand. But we believe that this simular, this nondescript "as You Like It," was performed. But the music was in Frior; it jarred, it dragged; it ought to have been better, much bester.

In the character of Resalted there is little room for the distribution of the character of Resalted the relief that the mission of the character of Resalted the extension of the favority of the character of the favority in the stage is possessed of more versatility, is more studious or painstaining, or is a greater favority in the large cities.

Mr. Edmund K. Collier as Joynes was deficient. He appeared to have an insufficient conception of his role. He lacks culture. He evidently is not a student. His result in of the fieven Ages of Man was entirely too sophomorical.

The columna, "the lean and adaptored pantaleon," was

ROMANCE IN BALTIMORE. The Widow of a Young Millionaire Marries

Prime the Philadelphia Record.

A fashlonable wedding was celebrated in Balimore on Taesday last, around which cineter some romantic incidents illustrative of the old provers about the course of tree love. A few years see Mr. Frank Brown of Carroll County, whose estate joins that of his cousin, the late Miss Florence Patterson—Madam Bonaparte's meca-was engaged to Miss Mamie R. Ridgely, and waiting society belle. The engagement was however, tooked, and Miss Ridgely, while travelling in Europe, met Mr. Freston, a wealthy voting Boston merchant. Brown of the Miss Mamie Roston merchant. When the County of the Coun From the Philidelphia Record.

A Buchess Marrying a Teuor Singer.

Prost the Morning Cult.

Paris, Dec. 5.—Only think of hor grace, the Duches to Newcastle making up her mind to become Mrs. Tom Hobiert Aithough she has a son, the present Dake, shout 14 years old, she is still young, and excessively handsome. I suppose we may conclude that her marriage with the Duke was on both sides, one of interest. She is the heiress of the great banking house of Hope, and the country scat, Hopedene, is one of the greatest cattles England boasts, among her many such.

To make a loing story short, they separated, everybody in London knowing that the Duke's Friend for many who placed in the 'Black Creak' in New York. There were different stories about this alliance, some saying that it was the Duke who took theatres for Kane Santley in Leodon, so as to keep her up as a star, and others evering that he was poor, and that it was the burleague actress who supplied him with funds out of her professional earnings.

Meantime the affection which had sprung up between the Duchess and Tom, lichler, the tenor, was also a matter of common observation, though not one of scandial, because their conduct was discret. One day last winter the Duke died sodienty, in his backlor's room, in Standuct of clayee, so that now the engagement between the tenor and the Duchess may be announced. I saw them driving logether the other day. She is a nice, tresh-looking Engishman sings prottily, and, of course, is desperately in love. He told a friend of mine that it was in every way such a stroke of good luck for him that he was affaired in lovely, aristocratic aweet, exquisitely dressed. He is a nice, tresh-looking Engishman sings prottily, and, of course, is desperately in love. He told a friend of mine that it was in every way such a stroke of good luck for him that he was affaired in lovely. Aristocratic aweet, exquisitely dressed. He is a nice tresh-looking Engishman sings prottily, and, of course, in discocratic hids weet a supported Miss Kelleage in her first London engagement twel

What Astonished a Young Wife.

Prom the London World.

A friend of mine, confined by illness to the house, asked his lately married wife to call at stoke the lates. The then hall porter, one of the politest of men, expressed his extreme regret that it was against the rules of the club to cive up members' letters without written authority. "But I am his wife!" exclaimed the astonished late. "Very sorry, madam; no doubt you are; but so many ladies call here who say the same hing, and whom we don't know," replied the diplomatic official. My friend never divulged what occurred between him and his bride when she returned home; but he looked gloomy for weeks afterward.

Wlanted _ females.

A -UP-TOWN ABVERTISERS

A -UP-TOWN ABVERTISERS

thorized up-town salvertisement offices,

1.238 Broadway, corner of 31st st. till D.P. M., and

368 West 23st st. corner of 8th v. till B.P. M.

740 3d av., corner of 47th st., till B.P. M.

BY East 14th st., corner Union square, till S.P. M.

No extra charge.

ARTIFICIAL FLOWERS,-Wanted, workers and learners, at 514 Broadway. BROWNING, KING & CO. want operators, bas-ters, and dulshers on men's and boys clothing and white vests at their factory, 541 West 2nd st. BROWNING, KING & CO, want finishers on pants, at home or at factory. Sal West 23d state BOOK FOLDERS and sewers wanted, steady work and extra pay to best hands. 20 Beckman st. COLLAR, cuff, and shirt treners at the 39th at Laundry, corner 6th av.; steady work; good pay. FREE Sewing Machine School, open daily from 9 to 5, at Girls' Lodging House, 27 St. Mark's place, 8th st. SEWING machines, wholesale and retail; Howe, Home, Domestic, W. A. W., Singer, Ac., new, from \$15 to \$15; discount to dealers. BLUM'S, 57 and 59 Murrayst. ST. MARY'S LODGING HOUSE, to shelter respectable girls while seeking employment, 158 West 24th at, between 6th and 7th ava., New York. SHIRT IRONER; also family troner. Knicker-bocker Laundry, 1,237 Broadway, 30th and 31st sta; come ready to work.

UMBRELLA SEWERS at 359 Broadway, up WANTED-A married woman, well recommended to wash, iron, and be generally useful. 42 Great WANTED-Experienced hands on ladies' silk and lace bows SCHWAB & WILLIAMS, 82 Franklin st YOUNG GIRLS can obtain situations free, lodg-lings and means at o celus cach, at the titris Localing House, 27 St. Mark's place, one block cast of Cooper Insti-tute (under care of Children's Aid Society).

Manted --- Maies.

A XO1 NG man to take care of horse and light wagon and to make timself generally useful must city references dress T. tox 35, Sun up-town to 1,238 Brindway. A. P W. \$12, bors overcosts, \$2, 50, \$1, \$4, \$5, \$6, \$6, \$9, \$12, bors overcosts, \$2, \$2, 50, \$3, \$4, \$5, \$6. DAVIES, 172 Bridge st., Brooklyn. A BOY wanted at 680 6th av., must bring good ref BOYS wanted, between 14 and 16 years of age, living between 4th and 56th sts, for Am. Dist. Tel. Co. Apply at Training School, 5 West 4th st. BROWNING, KING & CO. want first class op-Perators on singer buttonhole machine. 541 West 25tl st.

ENGINEERS, and Others — I will buy, if chean, useless castings of Frait, Kieley, Bennett or McNeil
bucket return steam traps. Some postal card to
JNURY, 401 East 70th st.

WANTED—Young man in small printing office that
can make ready on Universal presses and set ich
type; steady situation to the right person. Address, for
two days.

PRINTER hox 184, Sun effice.

WANTED—Three flushers and three putters out on
skivers. Apply at DWIGHT'S morocco factory, 500
Flushing ave, Brooklyn.

WANTED—With references, two hoys from 16 to 18,
and two from 12 to 14, at 57 Goerick st.

WANTED—A good cook; no bums. Apply at 844 35

WANTED-A good cook; no bums Apply at 844 8d WANTED-Blacksmith's helper on edge tools. 135

7 POUNDS pure tea. \$1; 10 pounds pure coffee, \$1; 10 pounds pure temper, \$1; all kinds spices.

HENNESSEY'S, 198 Front st., near Fulton. Bituntions Manted.

SITUATION WANTED by a baker as foreman or second hand on bread and cakes; also a second hand on bread and cakes; also a second hand on bread. Inquire at 0. TRIEKS, 171 East 4th at.

The THEATRICAL MANAGERS, Wanted, The two experienced makers, modellers, and desiriers of properties an chargement, permanent or otherwise, address W. II. EDGI, Artist, 3 Clare Villas, Tollemache at., New Brighton, Liverpool, England.

A GREAT OFFER FOR HOLIDAYS: 1-Solendid organs, 430, 550, 553, 563, 563, 570 upward: 7-octave planos, 5115, 5120, 5130, 75, do., 5140, 5150 up-ward, warranted; monuly installments received; instruward, warranted, monthly installments received, instru-ments to rent, timed and repaired. HORACE WATERS, 520 Broadway, corner 12th st.

BARGAINS.—Planes, new and second hand, full round, Belegant mondaing, nearly new, \$175. Rents, new pianes, \$5. New organ, \$60, \$40, MAGNIFICENT Totale resewood planeforie, saint Saint GORDON'S, 111 Clinton place.

GARDON'S, 111 Clinton place.

PIANOS and organs, \$25 to \$250, \$5 and \$10 monthly;
rent, \$2 up.

SECOND-HAND planes and organs all makes,
bought, sold, taken on sale; positive burgains offered,
planes to rent, also hand and repaired. MAXWELL'S, \$2
East 13th st., rest of Wallack's. Open evenings. THE MASON & HAMLIN ORGAN CO.,

offer the largest assertment in the elty of the BPST CABINET OR PARLOR ORGANS IN TES WORL 12, win-rea
of highest distinction at EVERY WORLD'S PAIR FOR
THIRTEEN YEARS. Prices 504, 500, 578, 384, 500 to
\$5500 and unward. Also, for easy payments, \$5 a month
for 12 mos., or \$0.75 a quarter for 10 quarters and upward.

\$60. -PINE pianotorte; organ, \$30; pianofortes and organs on installments.
HIDDLE'S, 13 Waverley place.

FOR SALE.—Nicely located lots, 50,2125 feet, for \$100 acch, overlooking and within 25 to 3 miles of the Post Offices to Denver, Cotorado: the healthtest, most presserous flourishing and beautiful city in the world, other real estate also for sale. Send 5ck for further information concerning iots and Cotorade cenerally.

General Land and Mining Brokers, Denver, Col. Established here since 1873.

for Sale and Co Set.

To LET. SUITABLE FOR PUBLISHERS, LAWYERS, or AGENTS, SEVERAL OFFICES,

Steam-heated and well included on the

SECOND STORY of

THE SUN BUILDING
Corner Nessau and Frankfort sta.

RENT LOW.
These premises overlook Frankfort sta.
Right Low.
Gity Hall Park, Post Office, and the Courts.

Apply at Apply at THE PUBLICATION OFFICE OF THE SUN.

Bouse Surnishing.

I MMENSE REDUCTION in pitter of farmiture, respect to be deling, stoves Ac., for each or weekly or met this particular at COMPERTHWAIT & CU.S., 126, 126, and 157 Chathampt.

Amusements.

NIBLO'S GARDEN. BENEFIT NIGHT.

Lessee and Manager

The performance of the grand spectacilar Irish drama
to hight will be the last but two said for the

TO MORROW (saurday), Jan. 3, 1880, the two final
performances. Evening st R.

FAREWELL MATINEE AT 2 O'CLOCK.

Next MONDAY Jan. 5, 1980, transfer from Haverly's Theatre of Mr. Bartley Campbell's greatest play, the intensely interesting comment drams.

THE GALLEY SLAYE!

The production bere to be marked by the additional effects of NEW SCENERY and a GRAND CHORUS. Sale of scals progressing.

STANDARD THEATRE, Broadway and 33d st. WM. HENDERSON. Proprietor and Manager LAST TWO NIGHTS LAST TWO NIGHTS

PRINCESS TOTO.
PRINCESS TOTO.
PRINCESS TOTO.
PRINCESS TOTO.
PRINCESS TOTO.
PRINCESS TOTO.
LAST TOTO MATINEE, SATURDAY AT 150.

MONDAY EVENING, JAN 5, RICE'S EVANGELINE COMBINATION. MLLE JARBEAU AS EVANGELINE

NEW YORK CIRCUS,
ROBERT STICKNEY

ROBERT STICKNEY

Mana
JOHN R. MURHAY

Mathree at 2. Evening at 8.
The Great Circus and Robert Butler's

HOLIDAY HUMFTY DUMPTY,
SATURDAY Joint Testimonial Benefit to
ROBERT STICKNEY and FRANK MELVILLE.
A host of volunteers will appear.
Admission, 25 and 50c.; reserved, 25c. exirs.

CHICKERING HALL. JOSEPPY
CHARLES APPEARANCE NEW YORK.

IN A NEW PROGRAMME.
CANLIBERG. INO CONCERTOS—E MINOR,
CARLIBERG. TWO CONCERTOS—E MINOR,
CONCUCTOR. The latter for the first time.

Admission, \$1; seats, \$1.50; now at usual places.

HAVERLY'S THEATRE, CO. 14th St. & 8th av.

HAVERLY'S THEATRE, CO. 14th St. & 8th av.

J.H. HAVERLY LAST WEEK

of Mr. Bartley Camphell's immansely successful play of

THE GALLEY SLAVE.

with Messra. FRANK EVANS. J. BULLIVAN. Miss
MAUDE GRANGER, and the consent of A. M. Palmer,

eq. J. Signora MAZIRON in the principal characters.

MATINEES WEDNESDAY AND SATURDAY AT 2 F. M.

THE TOURISTS IN THE FULLMAN PALACE CAR. THE TOURISTS IN THE PULLMAN PALACE CAR.

5TH AVENUE THEATRE. TO NIGHT.

JOHN T. FORD.

DOYLEY CARTES LONDON OPERA COMFANY.

GILBERT AND SULLIVANY AAST AND GREATEST

SUCCESS

PIRATES

OF PENZANCE.

PYRATES

PYRATES

PYRATES

Every evening at 8 and 5 attoring a Midwage.

A BBEY'S PARK THEATRE. Instantaneous success of Mr. Bartley Campbell new comedy drama.

PATRPAX.

A story of the sunny South. Interpreted by Agnes Booth, Syaney Cowell. Mrs. G. H. Gilbert, Marie Cheater, little Rffle Barrett, Meara, Frederic Robinson, J. E. Whiting, W. J. Ferguson, W. F. Owen, Louis Barrett, William Cullington, and Afred Schwyn.

THEATRE COMIQUE. 514 BROADWAY.
THEATRE COMIQUE. 514 BROADWAY.
JOHN B. CONNOW HAND COMEDY THEATRE.
MONDAY DEC. 20
Every evening, and Wednesday and Saturday Matinces,
EDWARD HARMON'S NO HOLD THEATRE.

ORDINATION OF THE STANDARD COMEDY THEATRE.

WILLIGAN GIARD'S
GRAND HOLDAY MATINEE JAN. 1, 1880.

TONY PASTOR'S THEATRE, 087 Broadway.
LADIES' RECEPTION MATINEE TO DAY.
1000 LADIES' AUSUMS
PRESENTED TO THE LADIES TO DAY TONY PASTOR'S MATINEE
LADIES MAKING NEW YEAR'S CALLS AT TONY PASTOR'S MATINER TO-DAY
And spend an enjoyable afternoon.

SAN FRANCISCO MINSTRELS. Opera House, THE FAMILY RESORT
THOMPSON STREET PLATS.
THE HARDBACK FAMILY
"THE VILLAIN STILL PURSUED HER."
THE TURKISH FATROL.
"THE SKIDS ARE OUT TO DAY."
SEATS SECURED. MATINEE TO MORROW at 2. Broadway and 29th st. DALY'S (NEW) THE ATRE, R'way and 30th at
AN ARABIAN NIGHT.
MATINEES To-morrow (Saturday) and Wednesday next

BROADWAY OPERA HOUSE.

TWO NIGHTS AND MATINER SATURDAY.

CLINTON HALL'S COMPANY

And the laughable comedy,

THE STRATEGISTS. KOSTER & BIAL'S CONCERT HALL,

AUD. BIAL'S GRAND ORDERT ALL AND BIAL'S GRAND ORDERSTRA and the World's Greatest Cornet Virtueso, J. LEVY, Admission 25 cents.

WALLACK'S. OPENS 7:30. BEGINS AT 8.

WE VETTER WALLACK BEGINS AT 8.

In Goldsmith's councily SHE STOOPS TO CONQUER.

Next week, A SURAP OF PAPER, by Sardou.

N. Y. AQUARIUM. Broadway and 55th at Every alternoon and evening.

SHOWING SOUTHERN LIST REFORE THE WAR, ADMISSION ONLY 25 CENTS.

Sectures.

COOPER UNION, FREE SATURDAY NIGHT LECTURES, in the Great Hall, at 8 o'clock. The Second Division of the Course for 1878-80 will be as follows. ISSO. ISSO. Jan. 3.—Rev. ROBERT COLLIER to New York City. Jan. 3.—Rev. ROBERT COLLIER of New York City.

Jan. 10.—Prof. A. A. STARR of Westfield, N. J.

Subject. Theort Life. (Hustrated.)

Jan. 17.—Red HENRY WARD RECCHER of Brooklyn.

Jan. 24.—J. A. WEISSE ALL STARR OF HER OF Brooklyn.

Jan. 24.—J. A. WEISSE ALL STARR OF HER OF Brooklyn.

Jan. 24.—J. A. WEISSE ALL STARR OF CITY.

Subject. The Inch New York city.

Subject. Microscopic Mineralogy. (Hiustrated.)

Feb. 7.—Prof. THOMAS DAVIDSON of Beston.

Subject. Modern Greece, its Scenery and Prophe. (Hiustrated.)

Feb. 14.—Prof. J. S. NEWBERRY of New York city.

Subject. The Gold and Silver Mines of the Students of the Cooper Union.

Feb. 24.—Celebration of Washington's Birthday by the Students of the Cooper Union.

Feb. 28.—Prof. G. W. MAYNARD of Brooklyn.

Subject. "Pictures of Russia." (Hustrated.)

The Third Division of the present course will be duly announced.

Tickets can be obtained gratis at the office of the Cooper Union and at D. Van Nostrand's book store. 23

Murray 81.

Billiers.

A -A. -A.A. -The very finest Billiard Tables fitted
with the wonderful MONARCH cushions, lowest
prices. The J. M. Brunswick & Balke Co., 724 Broadway. A MERICAN standard billiard and pool tables, new and second hand, at great fargains and easy terms w. H. GRIFFITH & CO., 900 Broadway, cor. 20th st

NATIONAL LINE—FROM NEW PIER 39 N. R.
POR LONDON (Victoria Docks)

Ein. Jan 7, 12:30 F. M. | Greece. Jan 14, 7 A. M.
FOR LIVERPOOL AND QUEENSTOWN

The queen. Jann. 1, 7:30 A. M. | Helvetia. Jan. 3, 9 A. M.
(Labin, 850 to \$70, currency. steerage, \$20. Drafts from
Edpward issued at very low rates. Using pany's offices,
see 60 and 7:38 from 2000 May. F. W. J. HUBST, Manager.

PACIFIC MAIL STEAMSHIP COMPANY—
SPECIAL NOTICE—EMIGRAN'S forwarded to SAN
PRANCISCO. SOUTHERN CALIFORNIA, ARIZONA,
NEW ZEALAND, and AUSTRALIA. For passage and intermation in regard to routes apply to the Passenger Departurent, 207 Broadway.

ROTTERDAM LINE—Steamers leave Companys puer, adjoining Payenia Ferry, Jersey City,
P. CALAND. Jan 3; ROTTERDAM Jan. 24
18(CALA) SSS—\$70, 21 Caum, \$40—\$50. Siterage, \$24
FUNCH, EDVE & CO., L. W. MORRIES,
Z. S. W. m. 4, Fright Agts, 150 B. w., Gen. Pass Agent.

STATE LINE—To Glascow, Liverpool, Bellast, and
Londonderry, from Perfool Causay. S. O.

S. TATE 1.1NE-TO Glasgow, Laverpool, Belinst, and Londonderry, from Pier foot of Canal et., N. R. Thursdays, Passengers at through rates to all leading cities of Europe, Steerage, \$20, Alexin, Alexing at Co. Agents, 72 Broadway, STEERAGE OFFICES at 42 Broadway and pier foot of Canal st.

NERVOUS EXHAUSTION.—A medical reservement of the comprising a series of lectures delivered at Kahn's Maseum of A nationy, on the cause and cure of nremature decline, showing indisputably how jost health may be regained, affording a clear synopsis of innediments to marriage and the treatment of nervous and physical denity, being the result of 20 year's experience. By mail 15c., currency or postage stainps. Address Secretary Kain's Ruseum, 698 Broadway, New York.

\$5 SETS of teeth. Eth Av. Dental Association, 379 Sth av., I door below 19th at. Oven evenings.

\$6. BEAUTIFUL artificial teeth; gum acts. \$8; warranted 202 6th av. Established 1851. Sun-MEADER.

A CERTAIN CURE for headache, constipation. A piles stomach, liver, kidney, or shu diseases nervous exhaustion, weakness, loss of insentions, dec. Beginhou's invigorating Strup, 26c. 5kk. R. and 2 Consultation for the consultation for the consultation of the consultation free. Dr. Jacoby, 101 Bleeckerst.

Diseases of MEN a specialty, cure from 3 to 5 Dr. Dyest, 47 West 13th st., near oth av. HEARY A. DANIELS, M. D., 144 Lexington

Sabings Banks.

BOWERY SAVINGS BANK.

A semi-annual dividend, at the rate of five per cent per annum on all stuis of five dollars and dividend, and not exceeding one thousand dollars, and of four per cent, per annum on all stuis in excess of one thousand dollars and not exceeding three thousand dollars, which shall have been deposited at least three months on the list day of January next, will be allowed to the depositions, and will be asymble on or after Monday, Jan. 19, 1899, in accordance with the provisions of the hy-laws. By order of the trustees. IENRY LYLES, Ja., President.

G. H. Coqueenall, Secretary.

CITIZENS AAVINGS BANK OF THE CITY OF NEW YORK AS Bowers corner Carolate. Thirty-amin interest dividend.—The Yensbee have ordered that interest, at the rate of FIVE PER CENT, per annual, he hald to densitors, on and sure Jan 20, on all same of \$5 and anward which have been on deposit for the three and six member entire Dec 31, 180.

Interest will be credited as an original deposit, and, if not withdrawn, will be cuttled to interest from Jan. 1, 1800.

Hank open daily from 10 to 3, and on Mondays and Saturdays from 10 to 7. Bank broks in English German, and French.

EA QUINTARD, President SEYMOURA, BUNCE, Secretary.

DRY DOCK SAYINGS INSTITUTION.

At regular meeting of the Trustees of this Institution a dividend was declared for the six months ending December 31, 1879, at the rate of five per cent, per annum on all sinus of \$2,000 and under, and on the excess of \$2,000 at the rate of four per cent, per annum, payable on and after January 19, 1880, in accordance with the By-Laws. Interest no, withdrawn will be added to the principal and draw interest from January 1.

CHARLES CURTISS, President.

WILLIAM V. WEBSTER, Secretary.

EMIGRANT INDUSTRIAL SAVINGS BANK,

New York, Dec. 31, 1879.
DIVIDENDS.—The Trustees of this bank have ordered that interest be paid to depositors entitled therato, for the six months emining this date, as follows:

On all sums up to \$2.060 at the rate of Five per cent, per annum, and on all sums in excess of \$2.000, at the rate of Four per cent, per annum on such excess. PAYABLE ON AND AFTER MONDAY, JAN. 19, 1880.

The interest will be placed to the credit of depositors under date of Jan. 1, and will be entitled to interest for the next six months, if not withdrawn.

Business hours from 10 o'clock A. M., to 4 o'clock P. M.,
HENRY L. HOUUET, President.

DAVID LEDWITH, Comptroller.

METROPOLITAN SAVINGS BANK.

NOS. 1 AND 3 THIRD AVENUE.

FIFTY-THIRD DIVIDEND.

INTEREST AT THE RATE OF FIVE PERG CENT per annum on sums of \$1,000 and under, and at the rate of Four Per Cent on amounts over \$1,000, which have remained on deposit during the three or six months ending Jan. 1, 1850, will be paid according to the by-laws, on Wedneday Jan. 21.

DIVIDENDS not withdrawn will be added to the deposit and draw interest from Jan. 1.

DEPUSITS made on or before the 10th of January will draw interest from Jan. 1.

G. N. CONKLIN, Secretary.

NEW YORK SAVINGS BANK, 8th av., corner 14th st.—The Trustees have ordered that the interest to paid the depositors and JANUARY 1, 1880, shall be at the rate of FIVE PER CENT. on all sams from \$5\$ to \$1,000, and FOUR PER CENT. on the excess of \$1,000 on any one account.

INTEREST commencing the FIRST of EACH MONTH.

MOREY DEPOSITED ON OR BEFORE JANUARY 10 WASSETS, \$3,000,344 44. SURFILUS, \$252,720.90.

RUCHARD H. BULL, President.

C. W. BRINCKERHOFF, Secretary.

C. W. BRINCKERHOFF, Secretary.

UNION DIME SAVINGS INSTITUTION.
Broadway, 32d st. and 6th av.
KEW YORK, Dec. 17, 4878.
The following DIVIDEND for the current half year has been declared, payable on er after Jan. 15.
IVE per cent. per annum on sums from \$5 to \$500, and FOUR per cent. per annum on sums from \$5 to \$500, and FOUR per cent. per annum on sums from \$5 to \$500, and FOUR per cent. per annum on sums from \$5 to \$500, and FOUR per cent. per annum on sums from \$5 to \$500, and FOUR per cent. per annum on sums from \$5 to \$500, and FOUR per cent. per sum of \$500 per \$500.
MONEY DEPOSITED OF WRITTON President.
GARDNER S. CHAPIN, Treasurer.
CHARLES E. SPIAGUE, Secretary.

GARDNER S. CHAPIN. Treasurer.
CHARLES E. SPRAGUE, Secretary.

WEST SIDE SAVINGS BANK.

154 6th av., between 11th and 12th sts.
The usual semi-annual interest of 5 per cent. per annuan on all sums from \$1 to \$500, and on the excess of \$500 at the rate of 4 per cent. per annuan, has been declared, and will be paid on and after MONDAY, Jan. 19, 1880, on all sums entitled thereto.

Dividends not drawn will bear interest same as a deposit.

Money deposited on or before 10th of January, 1880, will draw interest from the 1st of January, 1880.

By order of the Trustees.

GOB SEMI-ANNUAL, DIVIDEND.
EAST RIVER SAVINGS INSTITUTION.

SUCHambers st., New York, Dec. 27, 1879.
Interest for the six months ending Dec. 31, 1879, at the rate of five per cent. per annun on sums of \$1,000 and under, and at the rate of four per cent. on the excess, has been declared, and will be payable after Jan. 10, 1880.

Bank open daily from 10 A. M. 10 3 F. M.
CHARLES A. WHITNEY, Sec. W. H. SLOCUM, Pres.

METROPOLITAN ELEVATED RAIIWAY COMPANY.—71 BROADWAY, NEW YORK,
A quarterly dividend of C25 per cent) two and one-half
per cent, upon the capital stock of this company will be
paid on sind atter the 2d day of January next at the centrail Trust Company, 15 Nassau st., New York, to the
stockholders of record on the 22d instant.
The transfer books will be closed at 3 o'clock P. M. on
the 22d instant.
JOHN E. BODY. JOHN E. BODY, Treasurer.

METROPOLITAN ELEVATED BAILDec. 10, 1870 of the half-yearly interest on the First
Mortgage Bonds of this company will be paid on and
after the 21 of January next at the Central Trust Company, 15 Nagasust, New York. JOHN R. BODY.
Treasurer.

Zost and Sonnd.

LOST-Wednesday evening, Dec. 31, chestnut work horse; thin tall; partly new harness on, blanket and feed bag attached. Liberal reward baid for his return to CHAS N. FINCH & CO., 115 Maiden lane. L OST-Cameo sleeve button and cuff, liberal reward paid if returned to owner.
C. H. SWENTZEL 787 Broadway.

THE SUN FOR 1880.

880 in its own fashion, now pretty well understood by everybody. From January 1 until December 31 it will be conducted as a newspaper written in the English lan guage and printed for the whole people.

As a newspaper. Tux Sun believes in getting all the As newspaper, Tuz Ser believes in getting all the news of the world promptly, and presenting it in the most intelligible shape—the shape that will enable its readers to keep well abreast of the age with the least unproductive expenditure of time. The greatest interest to the greatest number—that is the law control-line its daily make-up. It now has a circulation very much larger than that of any other American newspaper, and enjoys an income which it is at all times prepared to spend liberally for the benefit of its readers. People of all conditions of life and all waves of thinking pared to spend liberally for the benefit of its readers. People of all conditions of life and all ways of thinking buy and read The Sun, and they all derive astisfaction of some sort from its columns, for they keep on buying and reading it.

In its comments on men and affairs. The Sun bolieves that the only guide of policy should be common sense, in-sired by genoine American principles and backed by honesty of purpose. For this reason it is, and will con-

noneary or purpose. For this reason it is, and will con-tinue to be, absolutely independent of party, class, clique, organization, or interest. It is for all, but of none. It will continue to praise what is good and reprobate what is evil, taking care that its language is to the point and plain, beyond the possibility of being misunderstood. It is uninfluenced by motives that do not appear on the surface; it has no opinions to sell, save those which may be had by any purchaser with two cents. It hates in-tuations and reaching the second of the second of the second property of the second of the second of the second of the second property of the second justice and rascality even more than it hates unnecessary words. It abhors frauds, pittes fools, and deplores nin-compoons of every species. It will continue throughout the year 1880 to chastise the first class, instruct the second, and discountenance the third. All honest men, with honest convictions, whether sound or mistaken, are its friends. And THE SON makes no bones of telling the truth to tis friends and about its friends whenever occasion arises for plain speaking.

These are the principles upon which THE SON will be conducted during the year to come.

The year 1850 will be one in which no patriotic American can be approximately appro

can can afford to close his eyes to public affairs it is impossible to exasperate the importance of the bolilical events which it has in store, or the neces-sity of resolute vigilance on the part of every citizen who desires to preserve the Government that the founders gave us. The debates and acts of Congress, the utterances of the press, the exciting contests of the Republian and Democratic parties, now tests of the Republ' an and Democratic parties, now nearly equal in strength throughout the country, the varying drift of public sentiment, will all bear directly and effectively upon the twenty-fourth Presidential election, to be held in November. Four years ago next November, the will of the nation, as expressed at the polis, was thwarted by an abominable consultancy, the promoters and beneficiaries of which still hold the offices they stole. Will the crime of 1876 be repeated in 1880! The past decade of years opened with a corrupt, extravagant, and insolent Administration intrenched at Washington. The Sux did something toward dislodging the gang and breaking its power. The same men are now intriguing to restore their leader and themselves to places from which they were driven by the indignation of the people. Will they succeed? The coming year will bring the answerate these momentous questions.

dignation of the people. Will they succeed The coming year will bring the answers to these momentous questions. The Sus will be on hand to chronicle the facts as they are developed, and to exhibit them clearly and fearlessly in their relations to expediency and right.

Thus, with a habit of philosophical good humor in lookong at the minor affairs of life, and in great things a steadfast purpose to maintain the rights of the people and the principles of the Constitution against all aggressors. This Sus is prepared to write a truthrul, instructive, and entertaining history of 1880.

Our rates of subscription remain unchanged. For the Oatty Sus, a four-page short of twenty-eight columns, the price by mail, post paid, is 65 cents a month or 83.70 a year, postage paid.

The price of the Wenker Sus, eight pages, fifty-six columns, is 81 a year, postage paid.

The price of the Wenker Sus, eight pages, fifty-six columns, is 81 a year, postage paid. For cius of ten sending \$10 we will send an extra copy free. Address

ing \$10 we will send an extra copy free. Address
I. W. ENGLAND,

Publisher of Tax Sun, New York City.

INVALIDS

AND OTHERS SEEKING

HEALTH, STRENGTH AND ENERGY,

TO SEND FOR THE ELECTRIC REVIEW, AN ILLUSTRATED JOURNAL, WHICH IS PUBLISHED FOR FREE DISTRIBUTION. IT TREATS upon HEALTH, HYGIENE, and Physical Culture, and is a complete encyclopselia of information for invalids and those who suffer from Nervous, Exhausa-ing, and Palriul Diseases. Every subject that bears upon beetle and tumon in applieses receives attention in its bear and the sum of the subject of the subject of a cure, are answered, and valuable information is volunteered to all who are in need of medical advice.

The subject of Electric Belts versus Medicine, and the hundred and one questions of vital importance to suffering humanity, are duly considered and explained.

YOUNG MEN

And others who suffer from Nervous and Physical De-bility, Loss of Mauly Vigor, Premature Exhaustion, and the many gloomy consequences of early indiscretion, &e. are especially benefited by consulting its contents. The ELECTRIC REVIEW exposes the unmitigated frances practised by quarks and medical imposters who profess to "practice medicine," and points out the only safe, simple, and effective road to Health. Vigor, and Bodily Energy. see, simple, and effective road to hears, to still Energy, Send your address on postal card for a copy, and instruments worth thousands will be sent you.

Address the publishers.

PULVERMACHER GALVANIC CO., 1,164 BROADWAY, NEW YORK, DOWN TOWN OFFICE, 265 BROADWAY,

THE HOUR

DEVOTED TO SOCIAL INTERESTS.

PUBLISHED EVERY SATURDAY. FIRST NUMBER JAN. 3, 1880.

Price 15 Cents.

SOLD AT ALL NEWS STANDS. OFFICE, 50 UNIVERSITY PLACE.

\$5

IMPERIAL AUSTRIAN (GERMANT), VIENNA CITY GOVERNMENT BOND.

These bonds are issued as shares in an Austrian (Capital City) Government loan, and are guaranteed by the Imperial Government and redeemed in deawings hold FOUR TIMES ANNIALLY, until each bond is redeemed with at least 30 per cent over its face value. The accumulated interest on the whole ions is distributed in premiums ranging from \$100 to \$100,000 among the holders of bonds redeemed in eaca quarterly drawing. The next redempt in drawings takes place. JANUALLY 2, 1889, (TODAY) in which the three highest premiums are:

20,000 FLORINS, SHOW, TODAY (SHOW), SHOW, SHOW

INVALIDS AND OTHERS SEEKING

STRENGTH, AND ENERGY, WITHOUT THE USE OF DRUGS, ARE KARNESILV REQUESTED TO SEND FOR THE ELECTRIC REVIEW A LARGE ILLUSTRATED TO SEND WHICH IS PUBLISHED FOR FREE DISTRIBUTION.

It treats upon Nervous, Physical, and Premature Debility, and is of especial value to YOUNG MEN and other who suffer from special discreters and the gloomy conse-

1.164 BROADWAY, NEW YORK, DOWN TOWN OFFICE, 265 BROADWAY. A RARE CHANCE.

PULVERMACHER GALVANIC CO.

The WEBER PIANOR used by the artists of HEB MAJESTY'S ITALIAN OPERA COMPANY during their stay in this city will be said at low prices. These planos have been used a few monitis, and are fully guaranteed as good as new. Among them are the planos used by CARY, VALUERIA, LARLACHE, ADINI, ARDITI CARY, ARINI, GALASSI, DEL PUENTE, RUNCIO, ARAMBURO, and BISACUTA. CAll at WEBER WAREROOMS, corner 5th av. and 16th st.

HENKELL & CO. Wines. For sale at the leading. Charles Grace, and Wine Dealery. Charles Grace, Sole Agent.

Steumbonts und Mailronds.

A -PALL RIVER LINE. ONE DOLLAR TO
A. ROSTON for special limited dickets. Steamers
SEWFORT and OLD COLONY leave Fier 24. N. R., Tool of
Murray st., daily. Sundays excepted, at 4-50 F. M.

NORWICH LINE TO BOSTON.
FARE ONE DOLLAR for special limited tickets
steamers leave Pier 40. North River daily, inclining sendays, at 4-30 F. M., for New London, Beston, Worcester, Ac.

TO PHILADELPHIA PENNSYLVANIA RAILROAD.

THE OLD-ESTABLISHED ROUTE AND SHORT LINE
NEW YORK AND PHILADELPHIA 16 THROUGH TRAINS BACH WAY DAILY S DEPOTS IN PHILADELPHIA, 2 IN NEW YORK. DOUBLE TRACK THE MOST IMPROVED EQUILIBRIES AND THE FASTEST TIME CONSISTENT WITH ABSOLUTE SAFETY.

\$3 writing, main, direct to Taint and lege, 62 Bowery and 1,313 Broadway.